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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Ronald F. Twining

Serial No.: 09/752,027

Filed: 12/29/2000

For: REMOTE FISH LOGGING UNIT

Group Art Unit: 2632

Examiner: Unknown

Atty. Dkt. No.: 12924.002NPUS01

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please amend the application as follows:

IN THE CLAIMS:

Please cancel claims 9, 10 and 22-31.

Please amend claims 1 and 3 as follows:

1. (Amended) A portable data-gathering device for electronically recording information related to fishing conditions at a remote location, said device comprising:

a set of sensors for measuring physical properties related to wildlife fishing conditions at the remote location; and

a storage device connected to said set of sensors for electronically storing data relating to said physical properties measured by said set of sensors.

3. A portable data-gathering device for electronically recording data related to conditions at a remote location, said device comprising:

an environmental conditions at a remote location to which said device is taken;

a measuring device for measuring physical data relating to a wildlife specimen encountered at the remote location;

a global positioning system for determining a longitude and latitude of the remote location;

processor circuitry for receiving said environmental, physical, and longitude and latitude data from said sensor, said measuring device, and said global positioning system; and

memory circuitry for electronically storing said environmental, physical, and longitude and latitude data received by said processor.

Please add new claim 32.

32. (New) A portable recording device allowing for exchanging information with a central repository, said method comprising the steps of:

providing a portable recording device including an input mechanism, memory circuitry and a transmitter/receiver;

providing a central repository comprising memory circuitry, and processor circuitry for storing a database of relevant information on a variety of locations in the memory circuitry;

taking the portable recording device to a remote location;

electronically recording data at the remote location with the input mechanism of the portable recording device, said step of electronically recording data comprising the steps of:



catching a specimen;
electronically recording physical data descriptive of the specimen; and
electronically recording data on environmental conditions at the remote location;
storing the data in the memory circuitry of the portable recording device;
sending a signal from the transmitter/receiver of the portable recording device, the signal
comprising the data stored in the memory circuitry;
receiving the data comprising the signal at the central repository; and
adding the data to the database of previously compiled information stored in the memory
circuitry of the central repository.

REMARKS

Applicant has amended the claims and added new claim 32 which is believed to be
patentable over the prior art as reflected in related application serial number 08/897,196, which
claims are allowed. The allowed claims are directed to methods of the present invention. The
present claims are directed to devices and systems for practicing the methods.

Respectfully submitted,

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CLAIMS AFTER AMENDMENT OF MARCH 30, 2001

WHAT IS CLAIMED IS:

1. (Amended) A portable data-gathering device for electronically recording information related to fishing conditions at a remote location, said device comprising:
 - a set of sensors for measuring physical properties related to wildlife conditions at the remote location; and
 - a storage device connected to said set of sensors for electronically storing data relating to said physical properties measured by said set of sensors.
2. The device of claim 1, further comprising circuitry for sending a signal comprising said data to a central repository.
3. A portable data-gathering device for electronically recording data related to conditions at a remote location, said device comprising:
 - an environmental conditions at a remote location to which said device is taken;
 - a measuring device for measuring physical data relating to a wildlife specimen encountered at the remote location;
 - a global positioning system for determining a longitude and latitude of the remote location;
 - processor circuitry for receiving said environmental, physical, and longitude and latitude data from said sensor, said measuring device, and said global positioning system; and
 - memory circuitry for electronically storing said environmental, physical, and longitude and latitude data received by said processor.
4. The device of claim 3, wherein said measuring device includes a scale for measuring the weight of the specimen.

5. The device of claim 3, wherein said device includes a scale for measuring the weight of the specimen.

6. The device of claim 3, wherein said environmental sensor includes a retractable probe for measuring water conditions at the remote location.

7. The device of claim 6, wherein said retractable probe includes a temperature sensor.

8. The device of claim 3, wherein said environmental sensor includes a sensor for measuring atmospheric conditions at the location.

includes a temperature sensor for measuring air temperature.

11. The device of claim 3, further comprising:

an input mechanism on the case for manually providing additional information related to selected conditions at the remote location; and

wherein said processor circuitry is adapted to receive said additional information, and said memory circuitry is adapted to electronically store said additional information along with said environmental and physical data.

12. The device of claim 3, further comprising a transmitter for sending a signal comprising said environmental and specimen data to a central data storage facility.

13. The device of claim 3, further comprising a water proof floating case.

14. A remote device for exchanging information related to wildlife conditions with a central repository, said device comprising:

a transmitter for sending a first signal to a central repository, said first signal including location data identifying a selected location;

a receiver for receiving a second signal from the central repository, said second signal comprising information related to wildlife conditions at the selected location;

memory circuitry for storing said information; and

a display for viewing said information.

15. The device of claim 14, further comprising:

an input mechanism for recording data related to wildlife conditions at a remote location to which said device is taken; and

a transmitter for sending a third signal to the central repository, said third signal comprising said data recorded at the remote location.

16. A system for exchanging information related to wildlife conditions between a portable recording device and a central repository, said system comprising:

a portable recording device for electronically storing information related to wildlife conditions obtained at a remote location to which said portable recording device is taken;

a central repository including processor and memory circuitry for compiling a retrievable archive of information previously stored in said portable recording device; and

an interface for enabling communications between said portable recording device and said central repository.

17. The system of claim 16, wherein:

said central repository comprises a personal computer;

said interface comprises a cable connectable between a data port in said portable recording device and said personal computer; and

said personal computer includes circuitry for recovering said information from said portable recording device, and for adding said information to its retrievable archive.

18. The system of claim 16, wherein:

said interface comprises a transmitter in said portable recording device for sending a signal comprising said information; and

said central repository comprises a network server.

19. A system for exchanging data on wildlife conditions between a remote location and a network server, said system comprising:

a remote unit including sensors for electronically recording data related to wildlife conditions at a remote location to which the remote unit is taken, memory circuitry for temporarily storing said data; and a transmitter for sending a data signal comprising said recorded data to a communications system coupled to said network server; and

a network server including memory circuitry for storing said recorded data sent from said remote unit, and processor circuitry for adding said measured data to a database of previously compiled data on wildlife conditions.

20. The system of claim 19, wherein:

said remote unit includes a transmitter for sending an inquiry signal comprising a selected location, a receiver for receiving a data signal comprising previously compiled data on wildlife conditions at the selected location, and a display for reviewing said previously compiled data;

said network server includes processor circuitry for extracting said previously compiled data from said database.

21. A system for compiling data on conditions at a plurality of wildlife locations, said system comprising:

a plurality of portable recording devices adapted to be taken to remote wildlife locations, each remote unit including an input mechanism for recording data on wildlife conditions at each respective location, and including a transmitter for sending a signal comprising said data; and

a network server adapted to receive said data from said remote units, said server including processor circuitry for collecting said data from said remote units, and including memory circuitry for storing said data, thereby accumulating a database on wildlife conditions at a variety of remote wildlife locations.

32. A portable recording device allowing for exchanging information with a central repository, said method comprising the steps of:

providing a portable recording device including an input mechanism, memory circuitry and a transmitter/receiver;

providing a central repository comprising memory circuitry, and processor circuitry for storing a database of relevant information on a variety of locations in the memory circuitry;

taking the portable recording device to a remote location;

electronically recording data at the remote location with the input mechanism of the portable recording device, said step of electronically recording data comprising the steps of:

catching a specimen;

electronically recording physical data descriptive of the specimen; and

electronically recording data on environmental conditions at the remote location;

storing the data in the memory circuitry of the portable recording device;

sending a signal from the transmitter/receiver of the portable recording device, the signal comprising the data stored in the memory circuitry;

receiving the data comprising the signal at the central repository; and

adding the data to the database of previously compiled information stored in the memory
circuitry of the central repository.

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